

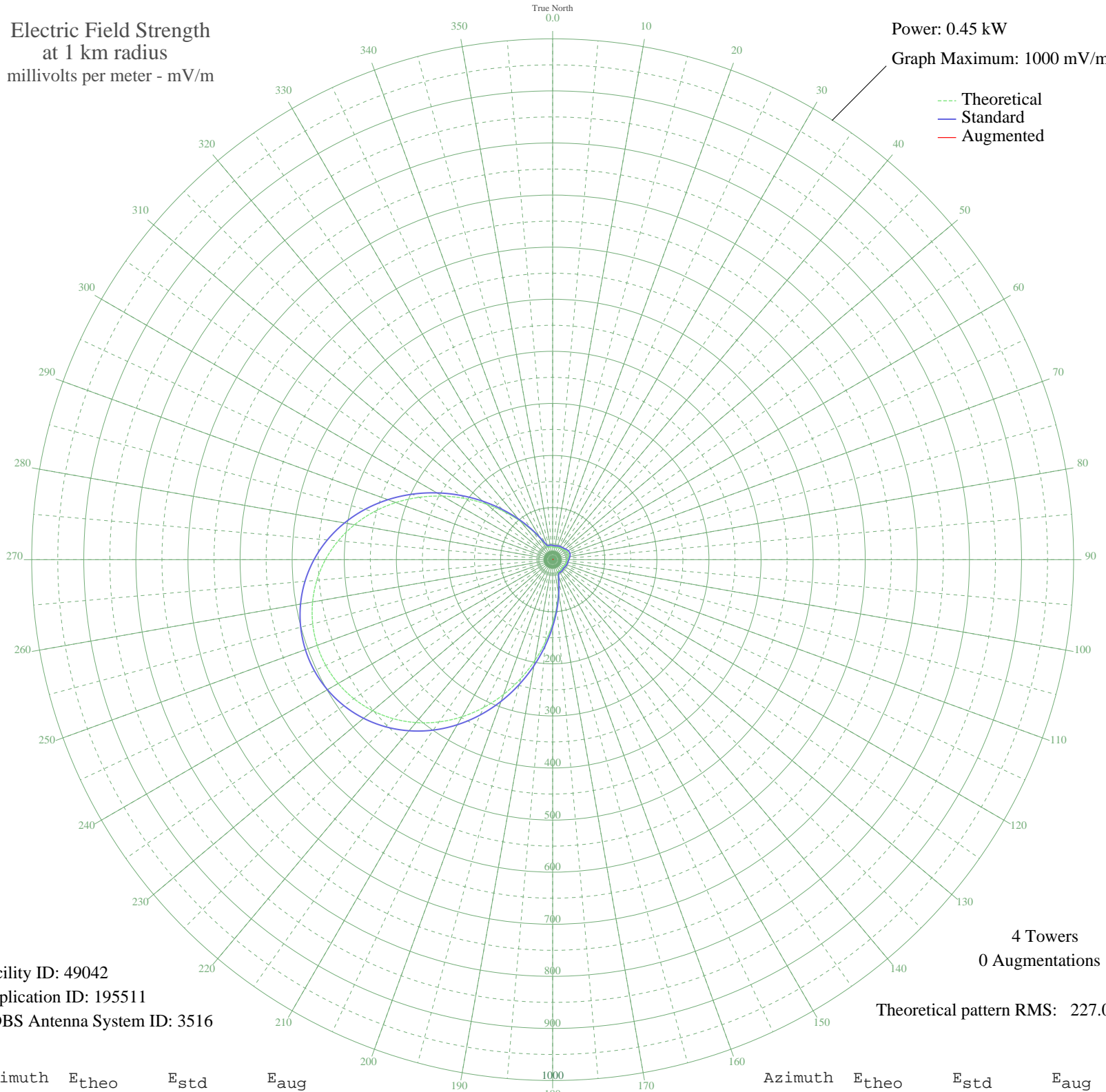
WGNU GRANITE CITY, IL BL-19940308AA 920 kHz

Daytime

Electric Field Strength
at 1 km radius
millivolts per meter - mV/m

Power: 0.45 kW
Graph Maximum: 1000 mV/m

--- Theoretical
— Standard
— Augmented



Facility ID: 49042
Application ID: 195511
CDBS Antenna System ID: 3516

4 Towers
0 Augmentations
Theoretical pattern RMS: 227.01

Azimuth	E _{theo}	E _{std}	E _{aug}
0	24.17	27.52	
5	23.55	26.92	
10	23.52	26.89	
15	24.05	27.41	
20	24.81	28.14	
25	25.44	28.75	
30	25.85	29.15	
35	26.18	29.48	
40	26.69	29.98	
45	27.56	30.83	
50	28.78	32.03	
55	30.12	33.37	
60	31.28	34.53	
65	31.98	35.23	
70	32.05	35.29	
75	31.47	34.71	
80	30.38	33.62	
85	29.04	32.30	
90	27.78	31.05	
95	26.83	30.12	
100	26.26	29.56	
105	25.91	29.22	
110	25.54	28.85	
115	24.95	28.27	
120	24.20	27.55	
125	23.59	26.96	
130	23.49	26.86	
135	24.02	27.37	
140	24.79	28.12	
145	25.14	28.46	
150	24.84	28.17	
155	25.20	28.52	
160	29.97	33.22	
165	42.56	45.93	
170	63.00	67.00	
175	89.98	95.07	

Azimuth	E _{theo}	E _{std}	E _{aug}
180	122.13	128.67	
185	158.13	166.37	
190	196.59	206.69	
195	236.12	248.16	
200	275.38	289.34	
205	313.15	328.97	
210	348.39	365.97	
215	380.30	399.46	
220	408.29	428.84	
225	431.97	453.69	
230	451.10	473.77	
235	465.58	488.98	
240	475.39	499.27	
245	480.52	504.65	
250	480.98	505.14	
255	476.79	500.74	
260	467.92	491.43	
265	454.37	477.21	
270	436.16	458.09	
275	413.38	434.18	
280	386.23	405.68	
285	355.06	372.97	
290	320.43	336.61	
295	283.09	297.43	
300	244.04	256.46	
305	204.46	214.94	
310	165.67	174.27	
315	129.06	135.93	
320	96.03	101.39	
325	67.92	72.10	
330	46.06	49.51	
335	31.82	35.06	
340	25.66	28.96	
345	24.77	28.10	
350	25.12	28.44	
355	24.91	28.24	

The theoretical pattern is used to create the standard pattern. Augmentations (if any) expand the standard pattern in specified directions. See Sections 73.150 and 73.152 of the FCC's Rules.

AM coverage may not mirror the pattern shown here. Additional factors such as ground conductivity or skywave propagation affect how far the AM signal will travel.

Patterns for stations outside the USA are based on notified parameters.

AM directional patterns created before 1982 used units of 1 mV/m at 1 mile, not one kilometer. The pattern values on such plots at 1 mile will be 0.62137 of the values listed here. Measured pattern values may vary from values shown here.

Plot is best printed on 11" by 17" or larger paper.

20 Nov 2009

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Federal Communications Commission